

A Method of Determining Translucence of the
Stand-Canopy, by Stanislaw Matusz,
POLISH, per, Prace Instytutu Badawczego Leśnictwa,
No 202, 1960, pp 3-30.
CPSTI II 66-57027

Sci/Agri
Apr 00

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Investigations on the Mycotrophy of the Spruce -
Picea Excelsa (Lam.) Lk. in Poland, by
Tadeusz Dominik.

POLISH, per, Prace Instytutu Badawczego
Lesnictwa, No 209, 1961, pp 59-102.
CFSTI TT-65-50356

Sci/Agri
Sep 67

339,575

Progress of an Outbreak of the Western Form of
the Pine Sawfly (Acantholyda nemoralis Thoms.
f. serotina W. K.) Report of Observations, by
Jerzy Burzynski.

POLISH, per, Prace Instytutu Badawczego
Lesnictwa, No 214, 1961, pp 89-112.

CFSTI TT 66-57033

Sci/B&W
Sep 67

339,573

Studies on the Mycotrophy of Plant Associations
of the "Taborz Pine" Reservation in Taborz, by
T. Dominik and H. Wojciechowska.
POLISH, per, Prace Instytutu Badawczego Leśnictwa.
No 228, 1961, pp 39-55.
CFSTI TT 67-56024

Sci-Agri
Apr 68

352,234

The Pine Bud Moth (*Exoteleia dodecella* L.), a
Dangerous Pine Pest in Poland, by
Zbigniew Sierpinsk.
POLISH, per, Prace Instytutu Badawczego Leśnictwa,
No 247, 1962, pp 93-210.
CFSTI TR 66-57026

Sci/Agri
June 68

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Investigation into Mycetophagy in the Pine
Association, Starzenina Forest District,
by T. Dominik, T. Madoj.
POLISH, per, Prace Instytutu Badawczego
Lesnictwa, No 259, 1963, pp 61-69.
CFSST TT 65-50357

Sci - Agri
Oct 66

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Investigations on the Annual Development
Dynamics of Mycorrhizae in 40-year-old Spruce
Stands, by Z. Twarowski.
POLISH, per, Prace Instytutu Badawczego Lesnictwa,
No 260, 1963, pp 72-102.
CFSTI TT 66-57030

Sci/B&H
Sep 67

339,572

Scutellaria Grevillei (Klotzsch) Sing and Scutellaria
aeruginascens (Sevr.) Snell in Bialowieza Botani-
cal Park and in the Managed Part of Bialowieza
Forest, by Roman Rachlewski.
POLISH, per, Prace Instytutu Badawczego Leśnictwa,
No 261, 1963, pp 103-117.
CISTI ID 66-57024

Sci-Agri
Apr 68

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Insects Feeding on the Polish Larch (*Larix polonica* Rac.), by Jan Jerzy Karpinski.
POLISH, per, Prace Instytutu Badawczego Leśnictwa,
No 265, 1963, pp 3-50.
CFSI TT 66-57021

Sci-B and I.
Apr 63

352,224

Effect of Individual Cooking Variables on the
Properties of Bleachable Sulfate Papermaking
Pulps from Pine, by I. Sencier-Lepinska.
POLISH, per, Instytut Celulozowo-Papierniczy
Prace, Vol 2, 1953, pp 1-12.
MUC-69-12831-11L

Sci-Mat
Sept 69

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Production of Hot-Rolled Transformer Sheet With
Low Core Losses, Part I, By M. Markuszewicz, J.
E. Groyecki, A. Zawada.

POLISH, per, Prace IMH, Vol VI, No 3, 1954,
pp 105-110.

Brutcher Trans 3573
\$9,60

Sci - Chemistry, Minerals/Metals

29,816

Production of Hot-Rolled Transformer Sheet With
Low Core Losses, Part II, by M. Markuszewicz.

Czech, per, Prace IMH, Vol VI, No 3, 1954,
pp110-119.

Brutcher Tr
No 3574 30,247

Scientific - Min/Metals
Engineering

Jan 56 CTS/DEX
\$9.80

Chromising of Steel, by E. Gasior.

POLISH, per, Prace DNH, Vol VII, 1955,
pp 1-10.

Brutcher Tr 3708

Sci - Minerals/Metals 37122

Aug 1956 \$5.00

Hardenning of Iron-Ore Pellets, by B. Sowcynski,
T. Wlazinska.

POLISH, per, Prace IMH, Vol VII, 1955, pp 30-34.

Brutcher Tr 3706
\$4.65

Sci - Min/met
Mar 58

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Production of Metallic Lithium on a Laboratory Scale under Reduced Pressure, by R. Sgarowicz and M. Orman.

POLISH, per, Prace DMI (Poland), Vol VII, No 5/6, 1955, pp 270-275.

■-3601

Brutcher Jr

Sci

Aug 58

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Sintered Friction Materials, by W. Cogelski.

POLISH, per, Prace DME, Vol VII, No 7, 1955,
pp 17-23.

37,417 Brutcher Tr 3711

Sci - ~~xxxx~~ min/metals

Aug 1956

\$3.80

Pelletizing of Iron Ores, by Z. Krotkiewski,
B. Sewerynski,
POLISH, per, Place IMI, Vol VII, 1955, pp 101-
105.

Brutcher Tr 3707
\$7.25

Sci - Min/mkt
Mar 58

60, 35-9

Production of Metallic Lithium on a Laboratory Scale
Under Reduced Pressure, by T. Szarowicz, M. Orman.

POLISH, per, Prace IMH, Vol VII, No 5/6, 1955, pp 270-
275.

Brutcher Tr 3601
\$9.85

Sci - Min/Met

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Jan 58

Reduction of Titanium and Silicon Dicidides With
Magnesium at Normal Pressure, by W. Rutherford.

POLISH, por, Zespoł EM, Vol VIII, No 2, 1956,
pp 85-88.

Henry Bratcher 4436
\$6.85

Sci - Engr

Apr 59

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Vacuum Melting of Steels and Other Iron-Base Alloys;
by H. Zakowa.

POLISH, no per, Proc. Proc. IMM, Vol VIII, No 8,
1956, pp 207-214.

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Tr No 3890 45, 116
\$9.80

Sci - Min/Metals
Mar 1957 CTS/dex

Maslanka-Ormanowa, Z.
ELECTROLYTIC PREPARATION OF LEAD-CAL-
CIUM ALLOYS. [1963] 53p.
Order from K-H \$53.00 K-H 5866 c
Trans. of Prace Instytutow Hutniczych (Poland)
1953, v. 5, p. 89-104.

DESCRIPTORS: *Lead alloys, *Calcium alloys,
*Electrolysis, Preparation.

(Chemistry--Physical, TT, v. 10, no. 2)

63-17267

I. Maslanka-Ormanowa, Z.
II. K-H-5866-c
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Magnetic Balance for Measuring of Magnetic Properties of Ferro and Paramagnets in the Range of Temperature Up to 300°C (2.0), by L. Kozlowski & J. Siecienski.

PUBLISHED, per, Prace Instytutu Radowego, Vol. 1A,
1917, 11 pp.

*PL-410

3rd
JUL 3

Single Member of Shape Off Processing, w/
J. Traubert.
POLISH, per, Price Institute, Katowice, Vol. IX,
No. 4, 1957, 5 pp.

EPL-4 C

JUL
JUL 1 1957

Deformation Rate in Hot Rolling, by Z. Wusatowski.
POLISH, per, Prace Instytut Hutnicz, No 2, 1958,
pp 120-123.

NLL M. 4728

Sci - Min/Metals

Jul 62

The Determination of Nitrides of Aluminium,
Silicon, Vanadium and Chromium in Carbon and Low
Alloy Steels, by H. Watanabe. JMC

POLISH, per, Prace Inst. Rzad., No 3, 1958, pp 180-183.

British Iron and
Steel Ind 1202
(14)

Sci - Chem
May 59

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Correlation between the Thickness of the Plastic Layer of Coal and its Decomposition Heat, by J. Kwiecinski, R. Pempach.

POLISH, per, Prace Instytutu Koksownictwa, Vol. 4,
No. 1, 1951, pp. 7-72.

*PL-430

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Effect of Heat Treatment Below the Temperature A₁
on the Properties of Low Carbon Steel for Boiler
Sheets, by W. Cias.

CZECH to FRENCH, per, Prace Inst Hutnicz, No 10,
1958, pp 95-108.

*IRSID T 1244

185, Rue President-Roosevelt
St. Germain-en-Laye
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(5-et-O), France

Apr 60

The Intensity of Deformation During Rolling, by
Z. Wusatowski. UNCL

POLISH, per, Prace Inst Hutn, No 2, 1958, pp 120-
123.

British Iron and
Steel Ind 1259

(L2)

Sep 59

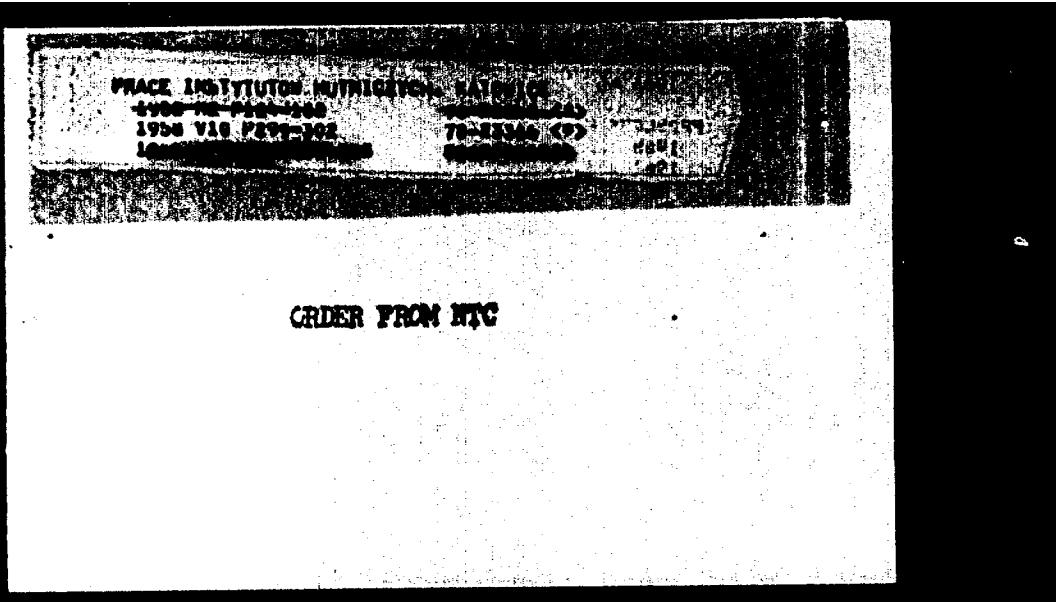
(Note: Info also under Neue
Huette, Aug 1958, pp 424-497).

Physical and Chemical Changes Associated With the Transformation of Semicoke into Coke in the Temperature Range Between 500 and 1000°C by A. Kijewska.

POLISH, per, Prace Instytutow Hutniczych, No 2, 1958,
pp 124-132

CSIRO Tr 4405

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Investigations on the Sintering of Pure Oxides and
With Additives, by R. Pampuch, 38pp

HUNGARIAN, per, Prace Institute Hutniczych, Vol X,
1958, pp 333-XX 347. 9219772

AEC - TA - 6159

Sci - Mat & Met
Oct 63

Studies on High-Strength and Low-Porosity Carbon
Products, by Roman Pampuch, 12 pp.
POLISH, per, Prace Instytutow Hutniczych,
Vol XI, No 1, 1959, pp 1-9.
OTS 63-11382
PL-480

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Sci - Chem
Nov 64
Avail From LY/Serials

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Effect of the Austenitizing Temperature on
Martensitic Transformation in Fe-Cr-Ni and
Fe-C-Mn Alloys Below Room Temperature, by
W. Cias.

POLISH, per, Prace Instytutow Hutniczych, No 1,
1970, pp 52-59.

*BISTI 3242

Sci - R/M
May 73

Oxidation Losses of Liquid Aluminum
and Aluminium Alloys, by S. Balicki,
J. Leitl.

POLISH, Jar, Prace Instytut Hutnicz,
Vol XI, No 2, 1959, pp 71-74.

HB 9214

Sci - Min/Met

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Feb 62

Determination of Pore Size Distribution in Refractory Materials, by R. Pampach.

POLISH, per, Prace Inst. Butn., No 11, 1959,
pp 11-17.

BISI 1818

Sci - Engr

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Feb 61

Elaboration of a Method of Measurement of the
Carbonization Heat of Coals, by A. Kijewska, 14 pp.
POLISH, per, Prace Instytutow Hutniczych, Vol XI,
1959, pp 229-234. 9221978
OTS 61-31319
PL-480

Sci - M/M
May 64

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Hot Dip Galvanizing and Aluminizing of Steel
Wire, by S. Socha.

POLISH, per, Prace Inst Hutnik, Vol XII,
No 5, 1960, pp 239-247.

HB 5427

Sci-Min/Met
Apr 62

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Vacuum Decarburization and Nitriding of Ferro-manganese, by H. Zak, Z. Kulinskiy

POLISH, per, Prace Instytutow Hutniczych,
Vol XIII, # No 1, 1951, pp 27-36.

BIBI 2969

Sci - M/M
Feb 63

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A Study of Paper Roll Wear, by Z. Wusatowski,
E. Spyra.

POLISH, per, Prace Instytutow Etnicznych,
Vol XIII, No 3, 1961, pp 153-172.

BIBL 9009

Sci - Ingr
May 63

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Ceramic Properties of the ZrO_2-SiO_2
System by R. Paszuch, 22 pp.

POLISH, per, Prace Instytutu Fizyczno-
teknicznego,
vol 19, No 52, 1961, pp 229-237.
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FID-TI-63-475

Sci - N/M

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Sept 63

Mechanism of the Initial Stages of Sintering of
Single- and Two-Component Crystalline Powders, by
R. Pampuch, 20 pp.

POLISH, per, Prace Instytutu Hutniczych, XXXIX
Vol XIV, 1967, pp 75-80.

ABC-UCRL-Tr-953(L)

Sci-M/M

Sep 63

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Nozzles and Stoppers for the Continuous Casting
of Tube Steel, by I. Olbrychtowicz.

POLISH, per, Prace Inst Ilustn. Vol XIV, 1962,
pp 285-289.

HB 6038

Sci-MM/M

243, 590

Nov 63

Investigations Into Density and Density Distribution in
Sintered-Metal Powder Compacts by the Electrical
Conductivity Method, by W. Cegielaki, ~~or~~ E. Waniewski.
POLISH, per, Prace Inst Hutniczych, Vol XIV, 1962,
pp 309-315.
HB 6037

Sci - M/M
Apr 64

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Statistical Evaluation of Optimum Size of
Flat Tensile Samples of Ductile Metals,
by Z. Misiolek, 23 pp. FOR OFFICIAL USE ONLY
POLISH, per, Prace Instytutow Hutniczwa,
Vol XV, No 2, pp 73-82. 9700502
FSTC HT-23-74-66 9700592
ACSI I-9306
ID 2204012266

Sci - M/H
Jun 66

502, 557

Volume Diffusion of W in Fe and FeW Alloys by a
Radioisotope Technique, by J. Kieszniewski.
POLISH, per, Prace Inst Hutn., Vol 15, 1963, pp 151-157.
*NTIS/NBS TT 71-54034
Available NBS Only

June 71

Electrolysis of Zinc Sulphate by Application of
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POLISH, per, Prace Inst. Hutn., No 16, 1964,
M 7-43 . 47
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Sci -
Jul 67

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The Effect of Hot Working Conditions on the
Re-crystallisation of Steels, by
R. Musatowski.
POLISH, per, Prace Inst. Hutniczych, Vol 16,
No 3, 1964, pp 113-125.
BISI 4600

EE-Poland
Sci/M&M
Apr 66

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Grynberg, Halina and Jarnuszkiewicz, Hanna.
DETERMINATION OF ALDEHYDES IN GLYCEROL
BY CHROMATOGRAPHY (Ilosciowa Chromatograficzna
Metoda Oznaczania Aldehydow w Glycerynie) tr. by
W. Kulierski, 1962 [14p, 9 refs, PL-480 Agr.
Order from OTS \$0.50 61-11383

Trans. of Prace Instytutow i Laboratoriów Budżetowych
Przemysłu Spożywczego (Poland) 1958, v. 8, no. 5,
p. 55-66.

DESCRIPTORS: *Glycerols, *Aldehydes, Determination,
*Chromatographic analysis, Quantitative analysis,
Colorimetry, Hydrazones, Phenyl radicals.

A chromatographic method was devised for determining
aldehydes in glycerol. The aldehydes are precipitated
as phenylhydrazones, and separated on acetylated paper.
The spots are extracted, the phenylhydrazones are de-
termined colorimetrically, and the aldehyde contents
(Chemistry--Analytical, TT, v. 9, no. 9) (over)

61-11383
I. Grynberg, H.
II. Jarnuszkiewicz, H.
III. PL-480 Agr (61-11383)
IV. National Science Foundation, Washington, D. C.

Office of Technical Services

Beldowicz, M., Grynberg, H., and Szczepanska, H.
DETERMINATION OF THE FATTY ACIDS OCCURRING IN PAPER CHROMATOGRAMS AS "CRITICAL PAIRS" (Oznaczanie Kwasow Tłuszczych Występujących na Chromatogramie Bibułowym jako "Pary Krytyczne") tr. by W. Kulczyki. 1962 [14]p.
21 refs. PL-480 Agr. Order from OTS \$0.50
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Trans. of Prace Instytutow i Laboratoriów Badawczych Przemysłu Spożywczego (Poland) 1960, v. 10, no. 2, p. 69-83.

DESCRIPTORS: *Fatty acids, Oils, Separation,
*Quantitative analysis, *Paper chromatography.

Our investigations have confirmed chromatography with prior hydrogenation as a method useful in separating critical pairs. Our modification enables quantitative (Chemistry-Analytical, TT, v. 9, no. 7) (over)

61-11369

- I. Beldowicz, M.
- II. Grynberg, H.
- III. Szczepanska, H.
- IV. PL-480 Agr (61-11369)
- V. National Science Foundation, Washington, D. C.

Office of Technical Services

Method of Calculating Dual-Rotor Compressors for
Ducted-Fan Engines, by J. Trachyk. 24 pp.
POLISH, Par, Warsaw. Instytut Lotnictwa. Prace
No 23, 1964, pp 3-13.
AIR/FTD/MT-23-1141-67

sci/propulsion and fuels
mar 69

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Hypersonic Flows, by Robert Rowinsky,
POLISH, per, Prace Instytutu Lotnictwa,
No 23, 1964, pp 36-54.
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Jna 66

Brushes for Aircraft Electrical
Equipment, by M. E. Kowryna Zuchowicz.
24 pp.
POLISH, ycr, Prace Instytut Lotnictwa,
Warsaw, No 23, 1964, pp 55-62.
FTD-TT-65-1279

Sci-Aeronautics
Jan 67 317,498

Air Lubricated Bearings, by M. E.
Zofia Sobacka. 25 pp.
POLISH, per, Prace Instytut Lotnictwa,
Warsaw, No 23, 1964, pp 63-72.
FTD-TT-65-1279

Sci-Aeronautics
Jan 67

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Wind Tunnel for Studying Two-Bladed Grids at
Greater Flow-Thorugh Velocities, by Wojciech
Brzozowski, 27 pp.
POLISH, per, Prace Instytutu Maszyn Przepływowych,
No 4, 1961, pp 13-41. 9695643
FTD-TT-64-96

Sci - Phys
Jan 65

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About a Certain Case of Considerable Flow
Through Capacity of a Grid of Control Blades,
by J. Krzyzanowski, B. Wedgle, 16 pp.
POLISH, per, Prace Inst. Maszyn Przemyslowych,
No 13, 1963, pp 3-16. 9696771
FTD-TT-64-1041

Sci - Engr
May 65

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Results of Studying the Flow Through Grids of
Turbine Blades of Greater Degree of Reactivity at
Velocities Exceeding the Speed of Sound, by
J. Smigieliski, A. Zabicki, 17 pp.
POLISH, per, Prace Instytutu Maszyn Przepluwowych
Polska Ak Nauk, No 13, 1963, pp 19-36, 9695390
FTD-TT-624-389

Sci - Engr
Dec 64

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Dynamic Properties of Thin, Semi-Infinite Cylindrical Shells Exposed to Stationary Vibrations,
by Josef Wieckowski.

POLISH, per, Prace Inst Maszyn Przeplywowych,
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PI00031766

FTD-TT-65-1088

Sci/Navigation, Communications
Detection, & Countermeasures

Sep 66

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Development of High-Speed Cutting Steel
K. M. Hirsch, 1951.

U.S. Pat., Frictionless Mechanism, U.S. 2,857,722,
Dec. 1, 1953, pp 42-53.

British Iron and Steel Inc
(no number given)

JUL - 1951
Cap 34

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Investigations of Wire Flattening, by F. Tychowski,
M. Olszewski. UNCL

POLISH, per, Prace Inst Mech, No 18, Warsaw, 1956,
pp 29-40.

British Iron and
Steel Ind E 1248
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Sci - Engr
Apr 59

Calculations of Force and Condition of Rotation
of Rolls in Drawing on the Roll-Die, by F. Tychowski.

UNCL

POLISH, per, Prace Inst Mech, No 18, Warsaw, 1956,
pp 41-52.

British Iron and Steel
Ind E 1249 (Not included
in BISI unless two are
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Sci - Engr
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Heat Treatment of Iron and Steel (0.45% C)
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FOR GOVERNMENT USE ONLY
POLSKI, Prace Instytutu Mechaniki,
Ministerstwo Przemysłu Górnictwa, Vol VI,
No 21, 1957, pp 1-32. 9696444
DOC RSIC-292

Sci - W/H

Apr 65

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Electromotive Force Induced in Ferromagnetic Wire
by Oscillatory Magnetic Field Parallel to the Wire,
by Roman Skorski, 26 pp.
POLISH, per, Prace Instytutu Mechaniki Precyzyjnej,
Vol VIII, No 29, 1960, pp 1-12. 9697590
DDC ISIC-400

Sci - Elec
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Effect of Some Strength Characteristics of Target Materials
on the Depth of Penetration of Shaped Charge Jets,
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POLISH, per, Prace Instytutu Mechaniki Precyzyjnej,
Vol IX, No 34, 1961, pp 11-24. 9695809
DDC-RISIC-318

Sci - PHYS
Mar 65

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POLISH
Principles of Magnetoheat Treatment of Steel,
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Gdańsk, per, Prace Inst Mechaniki Precyzyjnej,
Vol IX, No 34, 1961, pp 37-50. 9695022
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Sci - Engr
Nov 64

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Effect of the Addition of W, Mo, Al, & B
on the Structure and Properties of a Heat-Resistant
Cast Alloy Based on Nimonic 80, by
J. Chocorowski

POLISH, per, Prace Inst Mech Precyzyjnej,
Vol X, No 35, 1962, pp 1-15.

NLI Ref: 5828.4 1963 (5411) (loose)

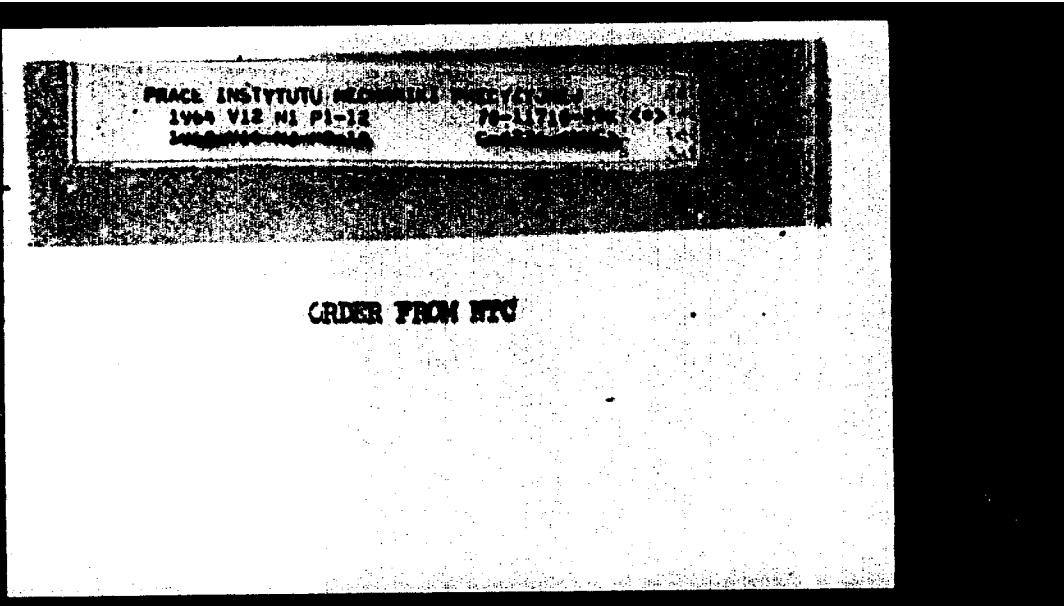
Sci - Engr
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Investigations on Preservatives for Steel, Part I, II,
by J. Zawadzki, B. Stankiewicz,
POLISH, per, Prace Instytutu Mechaniki Precyzyjnej,
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BISI 3688

Sci-M/M
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Brzades, M.

DETERMINATION OF THE COHESIVE STRENGTH OF
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HYDROSTATIC PRESSURES (Wyznaczenie Wytrzymalosci
Rodzicelczej Zezla Technicznego 0.03 % C, za Pomoca
Wysokich Ciśniei Hydrostatycznych). 1965, 18p
(foreign text included) 16refs. NEL-Trans-1723.
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Trans. of Instytut Mechaniki Precyzyjnej, Prace
(Poland) v13 n1 p25-8 1965.

I. National Engineering Lab.,
East Kilbride (Scotland)

Investigation of the Phase Structure of Heat-resistant Nickel-base Alloys. Part I, Effect of Aluminum on the V' Phase Quantity and Composition in Alloys Aged at 800C, by Jerzy Lampe, et al.
POLISH, per, Prace Instytut Mechaniki Precyzyjnej
Warsaw, Vol 13, No 1(47), 1965, pp 33-39.
*FTD-MT-23-1226-67

Sci/Materials
Aug 67

Corrosion Rate of Zinc Coatings Subjected to
Typical Atmospheric Conditions of Poland, by
Tadeusz Biestek,
POLISH, ser. Prace Inst. Tech. Precyzyjnej,
Vol XIII, no 48, 1965, pp 30-38.
*CBTII TT 07-56036

Sci-Chem
Dec 66

Effect of High Hydrostatic Pressures on the Creep
Limits of Steel Specimens During Single-Axis
Tension, by Marek Brandes,
POLISH, per, Prace Inst. Hoch. Precyzyjnej, Vol
XIII, No 49-50, 1965, pp 24-28.
*CENTI TT 67-56038

Sci-Tech, Indust, Civil & Marine Engr
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Determination of the Yield Point of Brittle Materials
by Using High Hydrostatic Pressure, by Marek
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POLSKI, pp, Prace. Instytut Mechaniki Precyzyjnej,
Vol 14, No 4, 1966, pp 59-66. AD 845586
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Sci-Materials
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REQUEST TR CHECK

7-4-17

BR70-~~1054~~

0472

Effects of hardness and structure on the wear of
a cast iron friction pair

Szpunar, Eugeniusz

PO per: Pr. Inst. Mech. Precyz, 1969, vol 17, no 1
12-23*In process as*

HT-23-319-70

*negative
7/29/70*

Heat Treatment of Iron and Steel 0.45% C in a Magnetic Field, by Roman Skorski.
POLISH, per, Prace Instytutu Mechaniki Materiałowej, Przemysłu Ciągnego, Vol VI, No 21, 1957, pp 1-32.
[Redstone Arsenal]

Sci-Phys
Apr 64

Magnetic Balance for Measuring of Magnetic Properties
of Ferro and Paramagnets in the Range of Temperatures
Up to 800°C, by L. Kozlowski, J. Siewireski.

POLISH, ~~pol~~, Prace Instytutow Ministerstwa Hutnictwa,
Wydawnictwo Gorniczo-Hutnicze, 1957, 11 pp.

*PL-480
OTS 63-11385

Sci

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Simple Methods of Shale Oil Processing, by J.
Gruszien.

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POLISH, ~~per~~, Prace Instytutow Ministerstwa Hutnictwa,
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Correlation Between the Thickness of the Plastic
Layer of Coal and Its Decomposition Heat, by
J. Nadziakiewicz, R. Pampuch.

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Hutnicktwa, Vol VIII, 1958, pp 71-78.

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FE-MN-SI-AL DEOXIDIZER ON THE AMOUNT AND CHEMICAL
COMPOSITION OF NONMETALLIC INCLUSIONS IN STEEL,
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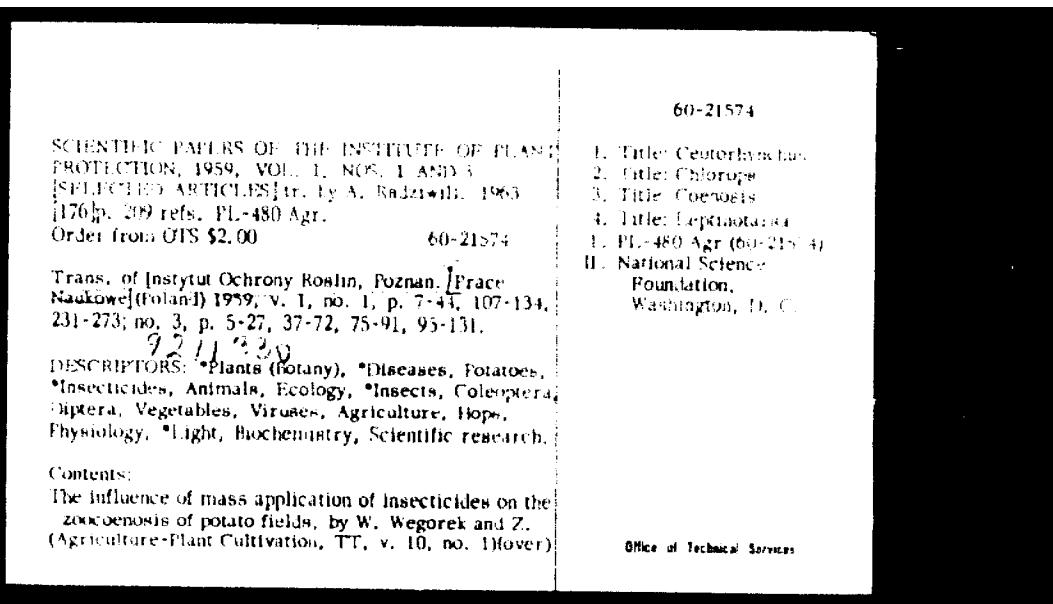
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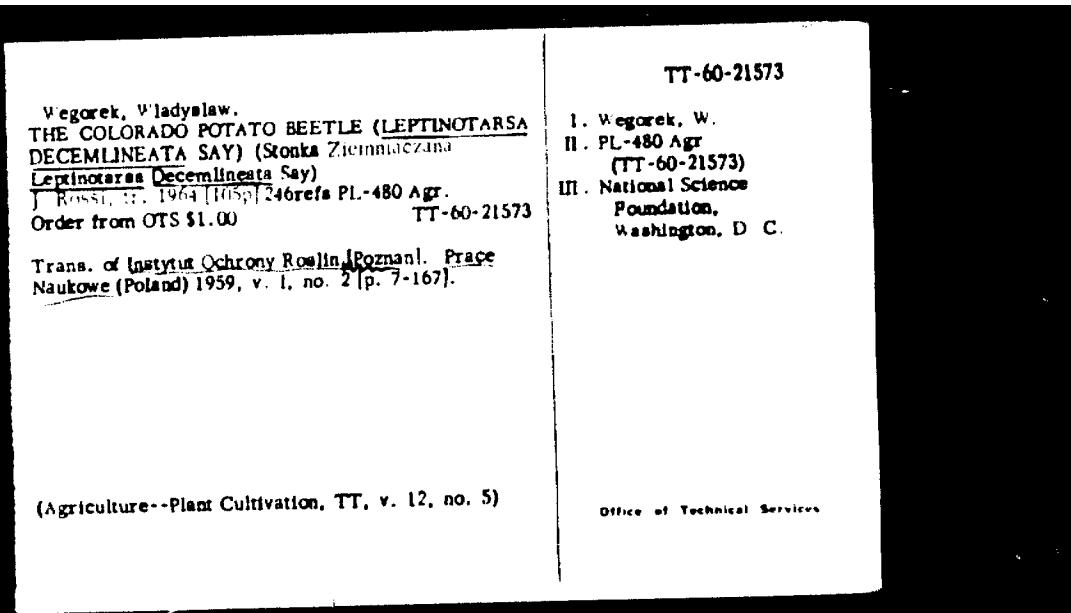
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